

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**April**

**2007**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**May 16, 2007**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

The weather pattern during the month of April was dynamic as it varied from an unusually late winter event to severe weather events. During the weekend of the 7<sup>th</sup>, cold air was pushed into Texas and interacted with an upper level disturbance to produce a winter mixture of precipitation across west central Texas. One to three inches of snow fell across the Big Country, while the northern Heartland received as much as six inches of snow accumulation. The southern half of the HSA received a mixture of sleet, snow and freezing rain.

Seasonable conditions quickly returned and upper level systems moved eastward across the region initiating thunderstorms and showers. On the 13<sup>th</sup>, thunderstorms produced rainfall showers across the southeastern half of the HSA. Another upper level system moved across on the 17<sup>th</sup> and initiated storms along the dry line. Rainfall across the Big Country ranged from 0.75 of an inch to 1.5 inches, while the Concho Valley and Heartland received as much as 0.50 of an inch.

Late in the month, thunderstorms producing severe weather disrupted portions of the HSA. However, the heavy rains that accompanied these storms brought much needed moisture. On the 24<sup>th</sup>, portions of the Big Country from Nolan and Fisher Counties to Shackelford County received 1.5 to two inches of rain. On the 25<sup>th</sup>, another round of thunderstorms produced heavy rain across the eastern half of the HSA. Isolated areas from Concho County to Brown County received 1.5 to just over three inches of rain. Much of the eastern half of the HSA received 0.25 to one inch of rain.

The month ended with another batch of rains associated with thunderstorms moving across the region. Starting on the afternoon of the 29<sup>th</sup> and continuing through the end of the month, most of the HSA received at least one inch of rain. The heavier rainfall on the 29<sup>th</sup> occurred from Coke County up to Throckmorton County, where two to four inches of rain fell and produced flash flooding. On the 30<sup>th</sup>, two general areas received heavy rainfall. In the Big Country from Nolan and Fisher Counties over to Shackelford County, at least one inch of rain fell. Isolated areas in that region received as much as three inches of rain. Across the southern half of the HSA, from Runnels County to San Saba County, one inch of rain fell over much of the area. Isolated areas in this region received three to four inches of rain.

Drought conditions improved considerably during April. By the end of the month, the abnormally dry status across the region was improved to normal conditions. The agricultural and meteorological drought conditions have been eased, but the hydrologic conditions will be slower to recover.

The San Angelo Regional Airport received 2.66 inches of precipitation during April, which was 1.06 inches above normal for the month. The monthly normal rainfall for San Angelo in April is 1.60 inches.

The Abilene Regional Airport received 2.14 inches of precipitation during April, which was 0.47 of an inch above normal for the month. The monthly normal rainfall for Abilene in April is 1.67 inches.

Junction received 3.15 inches of rain in April. The estimated average monthly rainfall in April is about 1.75 to 2 inches.

**Coop Observer Rainfall Totals for April, 2007:**

<b>Station Name</b>	<b>Amt (in)</b>	<b>Station Name</b>	<b>Amt (in)</b>
Abilene 2	1.98	Merkel 12SW	3.15
Acton Ranch	M	Oak Creek Lake	3.96
Albany	3.74	Ozona	1.37
Anson	3.33	Ozona 22SE	2.95
Ballinger 2NW	1.88	Paint Rock	2.11
Brady	3.19	Putnam	1.69
Brownwood	2.90	Red Bluff Crossing	2.62
Burkett	2.13	Richland Springs	1.46
Coleman	2.15	Robert Lee	2.25
Concho Park	1.44	Roscoe	1.87
Eden	3.35	Rotan	2.96
Eldorado	1.49	San Angelo WFO	1.80
Eldorado 10W	0.61	San Saba 7NW	1.35
Eldorado 12N	1.65	Silver Valley	1.58
Fort Griffin	6.30	Sonora	2.60
Fort McKavett	2.86	Stamford	4.91
Glen Cove	3.74	Sterling City	1.63
Hamlin	3.69	Taylor Ranch	2.69
Haskell	2.53	Telegraph	M
Hords Creek	1.94	Throckmorton 7NE	3.03
Humble Pump	2.28	Water Valley	1.13
Junction 4SSW	2.42	Water Valley 11NE	2.43
Lake Abilene 6WNW	3.63	Winters	1.97
Lawn	1.86	Woodson	2.82
London 3N	3.12		
Mason	1.87	(M) <i>Missing data</i>	
Menard	2.53	(T) <i>Trace</i>	

**Reservoir Conditions (end of April, 2007)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	39,480	56
Lake Stamford	52,700	37,610	73
Hubbard Creek Lake	317,800	163,560	51
Hords Creek Lake	8,800	4,860	60
Lake Brownwood	131,428	121,340	92
E.V. Spence	488,760	69,960	14
O.C. Fisher	119,200	7,690	6
O.H. Ivie	554,340	220,600	40
Twin Buttes	177,800	48,640	27

**Hydro Products Issued**

FFA = 5

FFW = 4

FFS = 1

FLS = 6 (Flood Advisory)